

ABBOTTBALL
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Stainless Steel Balls



AISI Type 316 Stainless Steel

AISI type 316 stainless steel balls offer excellent corrosion resistance and resistance to sulphuric acid compounds. This austenitic steel includes 2-3% molybdenum. Type 316 balls are used in trigger sprayers, bearings, dispenser valves, body jewelry, lotion pumps, quick-disconnect couplings and aerospace applications. Type 316LVM balls are used in jewelry, human implant and other medical applications.

AISI 316

SIZE RANGE	0.50mm (.020") up to 2"
GRADES	50, 100, 200, 500, 1000, 2000

CHEMICAL COMPOSITION

CHROMIUM	16%-18%
CARBON	.08% MAX.
NICKEL	10%-14%
MANGANESE	2% MAX.
SILICON	1% MAX.
PHOSPHOROUS	.045 % MAX.
SULPHUR	.03% MAX.
MOLYBDENUM	2%-3%

MECHANICAL PROPERTIES

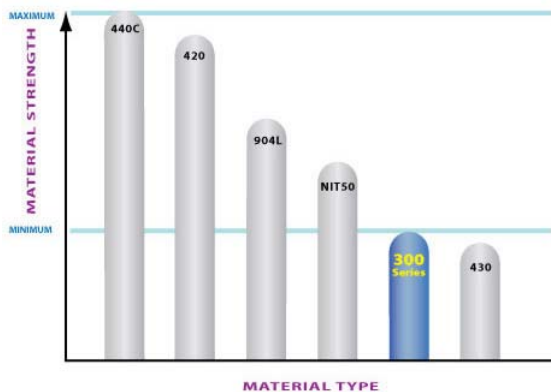
TENSILE STRENGTH	80,000 TO 120,000 PSI
YIELD STRENGTH	45,000 PSI
ELONGATION IN TWO INCHES	10%-15.0%
REDUCTION IN AREA	55.0%-65.0%
MODULUS OF ELASTICITY	28,000,000 PSI
DENSITY	.288 LBS./CU. IN.

PHYSICAL CHARACTERISTICS

CORROSION RESISTANCE	EXCELLENT
MAGNETIC	NO

GENERAL USAGE

TRIGGER SPRAYERS, BEARINGS, DISPENSER VALVES, BODY JEWELRY LOTION PUMPS AEROSPACE, QUICK DISCONNECT COUPLINGS



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